



## AMENDMENTS TO THE SPECIFICATION

A marked up copy of page 1 of the specification is submitted in which the title of the invention has been amended to be more descriptive.

A Method of Simulated Wave Massage of The Body

CROSS-REFERENCE TO RELATED APPLICATION:

21 This is a continuation of provisional application serial number 60/260,025, filed January 5, 2001

5 **Field of the Invention:**

This invention relates to a method, procedure and device for applying tactile sensation and vibration to the body, and will have specific but not limited application to the human body.

**Background:**

10 Vibration has been applied to the human body from time immemorial. Many patents exist for mechanical vibrating devices. The quintessential prototypes of these are devices of the asymmetric flywheel variety. Ordinary mechanical vibrating devices are used to relieve pain and induce relaxation. It is established that the effect of vibration is increased as the surface area of the human body exposed to vibration becomes greater. Unfortunately, mechanical vibrating devices when applied to a large surface area of the human body may cause motion sickness and  
15 other deleterious side effects because of infrasonic (less than 20 Hz) resonances inherent in their nonlinear design. In addition, all mechanical vibrating devices when applied to a specific point on the body for an extended period of time create numbness. The salutary effects sought after quickly fade because of "stimulus fatigue", a phenomenon whereby repetitive stimulation of nerve endings ceases to be transmitted because the nerve fatigues. To overcome the cessation of  
20 nerve transmission using a mechanical vibrator requires exponentially increasing stimulus strength which is possible for only a limited time. Therefore, the sought after beneficial effect ceases due to the stimulus fatigue phenomenon.